

CLAIMS:

Sub 1 1. An oral care device, comprising:
a toothbrush including a head and one or more bristles extending from the head;
and
a conduit for supplying water, particulate and pressured air to the head such that the water, particulate and pressured air can be sprayed onto the teeth from the head to enhance cleaning.

2. The oral care device of claim 1, wherein the toothbrush includes a handle from which the head extends.

Sub 2 3. The oral care device of claim 2, wherein the conduit is at least partially within the handle.

4. The oral care device of claim 3, wherein the conduit is at least partially within the head.

5. The oral care device of claim 1, wherein the conduit is at least partially within the head.

6. The oral care device of claim 1, wherein said conduit includes a flexible tube.

Sub 3 7. An oral care device, comprising:
a housing,
an electric motor within the housing;
an air compressor within the housing and operated by the motor;
an enclosed container, attached to the housing, for holding a slurry;
a first conduit for conducting compressed air from the compressor into the container; and
a second conduit for conducting the slurry and air from the container to an applicator from which the slurry and air is sprayed into the oral cavity of a human.

8. The oral care device of claim 7, wherein the slurry includes water.

9. The oral care device of claim 7, wherein the slurry includes sodium bicarbonate and sodium laurel sulfate.

10. The oral care device of claim 7, further including an air ballast through which the first conduit passes, the ballast being located between the compressor and the container.

11. The oral care device of claim 10, wherein the ballast includes an adjustable valve which allows air to escape from the ballast, thereby controlling air

pressure.

12. The oral care device of claim 10, further including an overpressure valve attached to the first conduit which will open if the air pressure exceeds a set pressure.

13. The oral care device of claim 7, wherein the slurry is a mixture of a cleaning powder and fluid in a ratio by volume of from about 1 part powder:10 parts fluid to 4 parts powder:10 parts fluid.

14. An oral care device, comprising:
an electric motor;
an air compressor operated by the motor;
an enclosed container for holding a slurry;
a first conduit for conducting compressed air from the compressor into the container, the compressed air being at a pressure of between about 20psi to about 50psi;
and

a second conduit for conducting the slurry and air from the container to an applicator from which the slurry and air is sprayed into the oral cavity of a human, the second conduit being at least about 24 inches in length.

15. The oral care device of claim 14, wherein the compressed air is at a pressure of between about 25psi to about 45psi.

16. The oral care device of claim 14, wherein the compressed air is at a pressure of between about 30psi to about 40psi.

17. The oral care device of claim 14, wherein the compressed air is at a pressure of between about 32psi to about 38psi.

18. The oral care device of claim 14, wherein , the second conduit is at least about 30 inches in length.

19. The oral care device of claim 14, wherein , the second conduit is at least about 36 inches in length.

20. The oral care device of claim 14, wherein , the second conduit is at least about 42 inches in length.

21. The oral care device of claim 14, wherein the slurry is a mixture of a cleaning powder and fluid in a ratio by volume of from about 1 part powder:10 parts fluid to 4 parts powder:10 parts fluid.

22. The oral care device of claim 2, wherein the handle includes a switch for controlling the flow of the water, particulate and pressured air to the head.

23. The oral care device of claim 7, wherein the first conduit conducts compressed air from the compressor to near the bottom of the container.

24. The oral care device of claim 7, wherein the slurry includes an additive selected from the

group consisting of fluoride, an anti-bacterial agent, chlorhexadine, a sweetener, saccharine, a flavoring, mint, a desensitizer and triclosan.

25. The oral care device of claim 14, wherein the first conduit conducts compressed air from the compressor to near the bottom of the container.

26. The oral care device of claim 1, wherein the toothbrush includes a handle connected to the head, a supply of the water and particulate in the form of a slurry being stored in the handle.

27. The oral care device of claim 26, wherein a separate supply of water only is also stored in the handle, this water being used to clean the oral care device.

28. The oral care device of claim 27, wherein the slurry is stored in a first compartment of a flexible bag, and the separate supply of water only is stored in a second compartment of the bag.

29. The oral care device of claim 28, further including a tube for supplying pressured air into the handle, a free end of the tube puncturing the bag and extending into the first compartment when the bag is inserted into the handle, thus enabling the slurry to exit the bag.

30. The oral care device of claim 29, further including means for moving the second compartment into contact with the free end of the tube such that the free end of the tube punctures the second compartment and enables the supply of water to exit the second compartment.

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